

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-14-79			
Company Amoco Production Company				Connection					
Pool Ute Dome				Formation Dakota				Unit	
Completion Date 2-4-79		Total Depth 3410		Plug Back TD 3256		Elevation 6777		Farm or Lease Name Ute Mountain "O"	
Csg. Size 4.50	Wt. 10.5	d 4.052	Set At 3410	Perforations: From 3134 To 3360		Well No. 1			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 3166	Perforations: From Open To Ended		Unit L 13 32N 14W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .70	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							404		509		
1.							125	55	255		3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	Stabalized flow with 117# back pressure 47 through separator						
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t	P _w	P _w ²	P _t ² - P _w ²
1	521	267	71289	271441
2				
3				
4				
5				

$$(1) \frac{P_t^2}{P_t^2 - P_w^2} = 1.3562$$

$$(2) \left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1.2567$$

$$AOF = Q \left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 59$$

Absolute Open Flow _____ 59 _____ Mcfd @ 15.025	Angle of Slope _____	Slope, n _____ .75
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Remarks:	
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Approved By Commission	Conducted By R. A. Conner	Calculated By R. A. Conner	Checked By J. L. Krupka
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